NC/QC/YPD/2018-19/NA-C1 Date: 10-04-2018

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Providing Cobble Stone work at 5th stage, in front of Nagarjuna Apartment in Ward no.02 of Yelahanka sub-division.}

Ref.: Material testing/QC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. BB Umesha (M/s SMLP Asphalt).

PHYSICAL TESTS ON CEMENT

Brand : ZUARI
Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**164 min**	Shall not be less than 30 min
2	Final setting time	**273 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**1.84 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.09 mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**28.14 N/Sq mm**	Shall not be less than 27 N/Sqmm

*As furnished by Client.
The Results relate only to the items tested.

KIRAN. R
M.E, (Civil-Engg)

For Newzen Consultants Bangalore

Proprietor

NEWZEN CONSULTANTS BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231,

NC/QC/YPD/2018-19/NA-PCC1

Date: 10-04-2018

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Providing Cobble Stone work at 5th stage, in front of Nagarjuna Apartment in Ward no.02 of Yelahanka sub-division.}

Ref.: Material testing/QC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. BB Umesha (M/s SMLP Asphalt).

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	100.00	85-100	90 – 100
20mm	64.10	0 -20	30- 70
10mm	37.95	0 -5	10- 35
4.75mm	3.40	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	97.45	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	82.20	60-95	75-100	85-100	
01.18	76.95	30-70	55-90	75-100	
600.mic	49.10	15-34	35-59	60-79	
300.mic	19.40	5-20	8-30	12-40	
150.mic	6.75	0-10	0-10	0-10	

*As furnished by Client.

The Results relate only to the items tested.

KIRAN. R
M.E, (Civil-Engg)

For Newzen Consultants Bangalore

Proprietor

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080 23240187 EMAIL: newzen576@gmail.com

Newzen Consultants Bangalore

NC/QC/YPD/2018-19/NA-C2

Date: 16-04-2018

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Providing Cobble Stone work at 5th stage, in front of Nagarjuna Apartment in Ward no.02 of Yelahanka sub-division.}

Ref.: Material testing/QC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. BB Umesha (M/s SMLP Asphalt).

PHYSICAL TESTS ON CEMENT

Brand : ZUARI
Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**182 min**	Shall not be less than 30 min
2	Final setting time	**267 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**1.84 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**1.95 mm**	Shall not be more than 10 mm
5	Compressive strength b) 3 days (average of three results)	**28.25 N/Sq mm**	Shall not be less than 27 N/Sqmm

*As furnished by Client.
The Results relate only to the items tested.

KIRAN. R
M.E, (Civil-Engg)

For Newzen Consultants Bangalore

Proprietor

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NC/QC/YPD/2018-19/NA-PCC2 **Date: 16-04-2018**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Providing Cobble Stone work at 5th stage, in front of Nagarjuna Apartment in Ward no.02 of Yelahanka sub-division.}

Ref.: Material testing/QC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. BB Umesha (M/s SMLP Asphalt).

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**100.00**	85-100	90 – 100
20mm	**61.80**	0 -20	30- 70
10mm	**28.15**	0 -5	10- 35
4.75mm	**3.70**	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	**95.75**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**83.10**	60-95	75-100	85-100	
01.18	**66.55**	30-70	55-90	75-100	
600.mic	**49.20**	15-34	35-59	60-79	
300.mic	**20.95**	5-20	8-30	12-40	
150.mic	**6.55**	0-10	0-10	0-10	

*As furnished by Client.

The Results relate only to the items tested.

K...R
KIRAN. R
M.E, (Civil-Engg)

For Newzen Consultants Bangalore

Proprietor

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NC/QC/YPD/2018-19/NA-C3

Date: 03-05-2018

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Providing Cobble Stone work at 5th stage, in front of Nagarjuna Apartment in Ward no.02 of Yelahanka sub-division.}

Ref.: Material testing/QC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. BB Umesha (M/s SMLP Asphalt).

PHYSICAL TESTS ON CEMENT

Brand : ZUARI
Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**169 min**	Shall not be less than 30 min
2	Final setting time	**276 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**1.68 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**1.85 mm**	Shall not be more than 10 mm
5	Compressive strength c) 3 days (average of three results)	**27.92 N/Sq mm**	Shall not be less than 27 N/Sqmm

*As furnished by Client.
The Results relate only to the items tested.

KIRAN. R
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Proprietor

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Newzen Consultants Bangalore

NC/QC/YPD/2018-19/NA-PCC3 **Date: 03-05-2018**

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for bed concrete.
{Project*: Providing Cobble Stone work at 5th stage, in front of Nagarjuna Apartment in Ward no.02 of Yelahanka sub-division.}

Ref.: Material testing/QC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. BB Umesha (M/s SMLP Asphalt).

1. COARSE AGGRGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	**100.00**	85-100	90 – 100
20mm	**66.05**	0 -20	30- 70
10mm	**21.85**	0 -5	10- 35
4.75mm	**2.60**	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS:

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -III	
04.75	**96.30**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**84.95**	60-95	75-100	85-100	
01.18	**70.10**	30-70	55-90	75-100	
600.mic	**56.25**	15-34	35-59	60-79	
300.mic	**13.80**	5-20	8-30	12-40	
150.mic	**6.95**	0-10	0-10	0-10	

*As furnished by Client.

The Results relate only to the items tested.

K. R
KIRAN. R
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Proprietor

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NC/QC/YPD/2018-19/NA-C4 Date: 28-04-2018

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Providing Cobble Stone work at 5th stage, in front of Nagarjuna Apartment in Ward no.02 of Yelahanka sub-division.}

Ref.: Material testing/QC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. BB Umesha (M/s SMLP Asphalt).

PHYSICAL TESTS ON CEMENT

Brand : ZUARI
Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**159 min**	Shall not be less than 30 min
2	Final setting time	**265 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.02 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.09 mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results)	**28.97 N/Sq mm**	Shall not be less than 27 N/Sqmm

*As furnished by Client.
The Results relate only to the items tested.

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Proprietor

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Newzen Consultants Bangalore

NC/QC/YPD/2018-19/NA-FA1 Date: 28-04-2018

1. TESTING OF FINE AGGREGATES :

Sub: Testing of Fine Aggregates.
{Project*: Providing Cobble Stone work at 5th stage, in front of Nagarjuna Apartment in Ward no.02 of Yelahanka sub-division.}

Ref.: Material testing/QC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. BB Umesha (M/s SMLP Asphalt).

TABLE - 1.1 : SIEVE ANALYSIS :

IS Sieve Size,mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone -II	
04.75	**97.20**	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	**84.05**	60-95	75-100	85-100	
01.18	**72.90**	30-70	55-90	75-100	
600. mic	**53.45**	15.34	35-59	60-79	
300.mic	**25.70**	5-20	8-30	12-40	
150.mic	**6.40**	0-10	0-10	0-10	

TABLE 1.2 ;

Sl No	Test Conducted	Sample	Results	**Requirements** as Per IS. Specification IS :383-1970 (Reaffirmed 2002)
1	Bulking of Sand	001	**15.86 %**	-----
2	Silt Content	----	**0.61 %**	Not more than 8%
3	Specific Gravity	----	**2.59**	-------

*As furnished by Client.

The Results relate only to the items tested.

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For Newzen Consultants Bangalore

Proprietor

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Newzen Consultants Bangalore

NC/QC/YPD/2018-19/NA-CS1

Date: 13-04-2018

TEST REPORT

Sub: Testing of Grey Colour Pre-cast Paver Blocks (Interlock) of thickness 60mm.

{Project*: Providing Cobble Stone work at 5th stage, in front of Nagarjuna Apartment in Ward no.02 of Yelahanka sub-division.}

Ref.: Material testing/QC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. BB Umesha (M/s SMLP Asphalt).

Technical Reference*: IS 15658-2006. Shape: I-Section

PHYSICAL TESTS ON PRECAST PAVER BLOCKS.

1.COMPRESSIVE STRENGTH:

Sl No	Identification	Compressive Strength, N/mm^2	Average Compressive Strength, N/mm^2
1	001	34.25	**34.32**
2	002	33.80	
3	003	34.90	

2. WATER ABSORPTION TEST:

Sl No	Identification	Water absorption %	Average value %
1	001	1.92	**1.95**
2	002	2.04	
3	003	1.90	

*As furnished by Client.

The Results relate only to the items tested.

KIRAN. R
M.E, (Civil-Engg)

For Newzen Consultants Bangalore

Proprietor

NEWZEN CONSULTANTS BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187 EMAIL:newzen576@gmail.com

NC/QC/YPD/2018-19/NA-CS2

Date: 24-04-2018

TEST REPORT

Sub: Testing of Grey Colour Pre-cast Paver Blocks (Interlock) of thickness 60mm.

{Project*: Providing Cobble Stone work at 5th stage, in front of Nagarjuna Apartment in Ward no.02 of Yelahanka sub-division.}

Ref.: Material testing/QC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. BB Umesha (M/s SMLP Asphalt).

Technical Reference*: IS 15658-2006. Shape: I-Section

PHYSICAL TESTS ON PRECAST PAVER BLOCKS.

1.COMPRESSIVE STRENGTH:

Sl No	Identification	Compressive Strength, N/mm^2	Average Compressive Strength, N/mm^2
1	001	34.95	34.90
2	002	35.15	
3	003	34.60	

2. WATER ABSORPTION TEST:

Sl No	Identification	Water absorption %	Average value %
1	001	1.96	1.99
2	002	2.07	
3	003	1.93	

*As furnished by Client.

The Results relate only to the items tested.

KIRAN. R
M.E, (Civil-Engg)

For Newzen Consultants Bangalore

Proprietor

NEWZEN CONSULTANTS BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187 EMAIL:newzen576@gmail.com

NC/QC/YPD/2018-19/NA-CS3

Date: 07-05-2018

TEST REPORT

Sub: Testing of Grey Colour Pre-cast Paver Blocks (Interlock) of thickness 60mm.

{Project*: Providing Cobble Stone work at 5th stage, in front of Nagarjuna Apartment in Ward no.02 of Yelahanka sub-division.}

Ref.: Material testing/QC/18-19,

Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. BB Umesha (M/s SMLP Asphalt).

Technical Reference*: IS 15658-2006. Shape: I-Section

PHYSICAL TESTS ON PRECAST PAVER BLOCKS.

1.COMPRESSIVE STRENGTH:

Sl No	Identification	Compressive Strength, N/mm^2	Average Compressive Strength, N/mm^2
1	001	35.10	**34.95**
2	002	34.00	
3	003	35.75	

2. WATER ABSORPTION TEST:

Sl No	Identification	Water absorption %	Average value %
1	001	1.95	**2.02**
2	002	2.10	
3	003	2.02	

*As furnished by Client.

The Results relate only to the items tested.

KIRAN. R
M.E, (Civil-Engg)

For Newzen Consultants Bangalore

Proprietor

NEWZEN CONSULTANTS BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187 EMAIL:newzen576@gmail.com

NC/QC/YPD/2018-19/NA-KS1 Date: 30-04-2018

TEST REPORT

Sub: Testing of Pre-cast Material-Kerb Stones.
{Project*: Providing Cobble Stone work at 5th stage, in front of Nagarjuna Apartment in Ward no.02 of Yelahanka sub-division.}
Ref.: Material testing/QC/18-19,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. BB Umesha (M/s SMLP Asphalt).

1. PHYSICAL TESTS ON KERB STONES :

Sl No.	Identification	Flexural strength, fcr in N/sqmm	Characteristic Compressive Strength, fck in N/sqmm	Avg. Characteristic. Compressive Strength fck in N/sqmm	Remarks
1	001	3.29	22.20	22.53	As per Cl. 6.2.2 of IS 456- 2000, fcr=0.7√ fck
2	002	3.35	22.95		
3	003	3.31	22.45		

2. WATER ABSORPTION TEST

Sl No	Identification	Water absorption %	Average value %
1	001	4.95	4.63
2	002	4.60	
3	003	4.35	

*As furnished by Client.
The Results relate only to the items tested.

KIRAN. R
M.E, (Civil-Engg)

For Newzen Consultants Bangalore

Proprietor

NEWZEN CONSULTANTS BANGALORE, #13,10TH MAIN ROAD 2ND CROSS JNANAJYOTHI NAGARA, JNANABHARATHI, BANGALORE-560056. CELL NO: +91 8792620231, 080 23240187 EMAIL:newzen576@gmail.com

NC/QC/YPD/2018-19/NA-KS2

Date: 15-05-2018

TEST REPORT

Sub: Testing of Pre-cast Material-Kerb Stones.
{Project*: Providing Cobble Stone work at 5th stage, in front of Nagarjuna Apartment in Ward no.02 of Yelahanka sub-division.}
Ref.: Material testing/QC/18-19,
Report Required for: Assistant Executive Engineer,
Yelahanka Project Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. BB Umesha (M/s SMLP Asphalt).

1. PHYSICAL TESTS ON KERB STONES :

Sl No.	Identification	Flexural strength, fcr in N/sqmm	Characteristic Compressive Strength, fck in N/sqmm	Avg. Characteristic. Compressive Strength fck in N/sqmm	Remarks
1	001	3.31	22.40	**22.33**	As per Cl. 6.2.2 of IS 456- 2000, fcr=0.7√ fck
2	002	3.27	21.90		
3	003	3.33	22.70		

2. WATER ABSORPTION TEST

Sl No	Identification	Water absorption %	Average value %
1	001	4.75	**4.83**
2	002	4.95	
3	003	4.80	

*As furnished by Client.
The Results relate only to the items tested.

KIRAN. R
M.E, (Civil-Engg)

For Newzen Consultants Bangalore

Proprietor

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